NHSN Hospital Respiratory Data
New Resources and FAQs

CDC Division of Healthcare Quality Promotion (DHQP)

September 2024

Webinar Summary
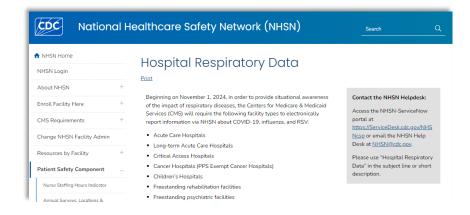
- **Resource Overview**
- **Frequently Asked Questions**
- **Import File Specifications and "Front End" Requirements for Successful Submission**
- **Data Element Definitions and Additional Reporting Scenarios**
- **Q&A**
  - Please submit all questions to the Q&A option in the Zoom taskbar
- **Replay webinar scheduled**
  - Friday, September 20, 2024, @ 1-2pm ET

Resource Overview

Hospital Respiratory Data Webpage

https://www.cdc.gov/nhsn/psc/hospital-respiratory-reporting.html

- Protocol

- Hospital Respiratory Data Form and Tables of Instructions – Weekly Reporting option

- Hospital Respiratory Data Form and Tables of Instructions – Daily Reporting option

- CSV Templates

- Training Registration and Slides

Hospital Respiratory Data – Previous Training

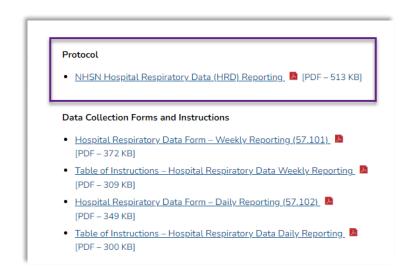**https://www.cdc.gov/nhsn/psc/hospital-respiratory-reporting.html**

- Background for reporting requirements
- Key information
  - What is changing
  - What is new
- Data elements
- Reporting cadence
- Data submission overview

Hospital Respiratory Data Reporting Resources

- **NEW:** Hospital Respiratory Data Reporting Protocol

  - Summary of Data Elements

  - Reporting Requirements, Cadence, and Pathways

    - Calendar examples

  - Guidance for reporting specific data elements

    - Scenario examples

Hospital Respiratory Data

Webpage Tour

Upcoming Webinars

- Hospital Respiratory Data New Resources and FAQs
  - Thursday, September 19, 2024 from 3-4pm ET
  - Register: https://cdc.zoomgov.com/webinar/register/WN_B0hQq2i8Qi6aJUyrnFMInw ⧉

- Reporting of Hospital Respiratory Data to NHSN – Data Submission Overview (Replay)
  - Friday, September 20, 2024 from 1-2pm ET
  - Register: https://cdc.zoomgov.com/webinar/register/WN_iOR9QBYjRza8WtF7MEu85w ⧉

Protocol

- NHSN Hospital Respiratory Data (HRD) Reporting 🔴 [PDF – 513 KB]

Data Collection Forms and Instructions

- Hospital Respiratory Data Form – Weekly Reporting (57.101) 🔴 [PDF – 372 KB]
- Table of Instructions – Hospital Respiratory Data Weekly Reporting 🔴 [PDF – 309 KB]
- Hospital Respiratory Data Form – Daily Reporting (57.102) 🔴 [PDF – 349 KB]
- Table of Instructions – Hospital Respiratory Data Daily Reporting 🔴 [PDF – 300 KB]

CSV Data Import

- Weekly Upload Template [XLS – 1 KB]
- Weekly Template Mapping 🔴 [PDF – 198 KB]
- Daily Upload Template [XLS – 1 KB]
- Daily Template Mapping 🔴 [PDF – 197 KB]

Training

- NHSN Hospital Respiratory Data – Introductory Webinar Slides 🔴 [PDF – 393 KB]
- NHSN Hospital Respiratory Data – Data Submission Overview Webinar Slides 🔴 [PDF – 2 MB]

Scheduled webinars and registrations links

Data elements (forms) and data element definitions (Tables of Instructions)

Templates for data submission via CSV upload or API. Mapping document match the template data element column with the corresponding data field name.

Training slides from previous webinars.

Frequently Asked Questions

Reporting Cadence

- **For both the daily data submission pathway and the weekly data submission pathway, data submission for reporting week of Sunday – Saturday is due by the following Tuesday at 11:59pm Pacific Time**

Reporting Cadence – Daily Reporting

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
WEEK 1	Day 1 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy *START OF EVALUATION PERIOD*	Day 2 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 3 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 4 **REQUIRED**: New admissions, hospitalizations, bed capacity/occupancy **OPTIONAL**: supplies	Day 5 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 6 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 7 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy
WEEK 2	Day 8 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 9 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 10 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy **Submission deadline** (Week 1, days 1-7)	Day 11 **REQUIRED**: New admissions, hospitalizations, bed capacity/occupancy **OPTIONAL**: supplies	Day 12 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 13 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy	Day 14 **REQUIRED**: New admissions **OPTIONAL**: supplies, hospitalizations, bed capacity/occupancy

See p. 18 in protocol for full reporting cycle example

Reporting Cadence – Daily Reporting

- **Example: Reporting week of Sunday, November 3 – Saturday, November 9**

- **Required:**

  - Bed capacity, occupancy, and hospitalization fields required for Wednesday, November 6

  - New admissions fields required for each day of the reporting week Sunday, November 3 – Saturday, November 9

- **All above reporting due by Tuesday, November 12**
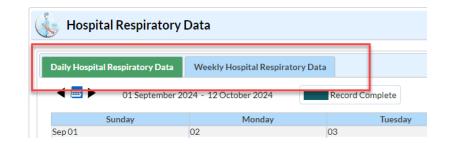
Reporting Cadence – Weekly Reporting

	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
WEEK 1	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7
	REQUIRED: weekly total new admissions						
				REQUIRED: hospitalizations, bed capacity/occupancy **OPTIONAL:** supplies			
	START OF EVALUATION PERIOD						
WEEK 2	Day 8	Day 9	Day 10	Day 11	Day 12	Day 13	Day 14
	REQUIRED: weekly total new admissions						
			Submission deadline (Week 1)	**REQUIRED:** hospitalizations, bed capacity/occupancy **OPTIONAL:** supplies			
	Day 15	Day 16	Day 17	Day 18	Day 19	Day 20	Day 21

See p. 19 in protocol for full reporting cycle example

Reporting Cadence – Weekly Reporting

- **Example: Reporting week of Sunday, November 3 – Saturday, November 9**

- **Required:**

  - Bed capacity, occupancy, and hospitalization fields required for Wednesday, November 6

  - New admissions fields required as a summed weekly total for reporting week Sunday, November 3 – Saturday, November 9
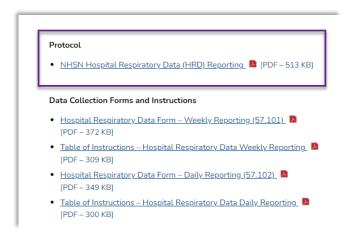
- **All above reporting due by Tuesday, November 12**

How do I indicate which reporting pathway my facility will use (daily versus weekly)?

- In the Hospital Respiratory Data module, you will see tab options for the Daily Reporting Pathway and the Weekly Reporting Pathway.

  - Submit data under the tab for the reporting pathway your facility has selected.

  - You will submit data using that pathway for the entirety of the 28-day reporting cycle.

  - The weekly reporting pathway OR the daily reporting pathway will satisfy requirements for submission of Hospital Respiratory Data for CMS Conditions of Participation.

  - If submitting via CSV upload or API, ensure you are using the correct (daily, weekly) template.

What are the definitions of laboratory-confirmed COVID-19, influenza, and RSV ?

- **Please see page 8 of the protocol:**
  https://www.cdc.gov/nhsn/psc/hospital-respiratory-reporting.html

Hospital Respiratory Data API Submission

- **The option to submit via API will be available.**
- Hospital Respiratory Data instructions for setting up API submission are being finalized.
  - Instructions will be very similar to the set up for the COVID-19 reporting: https://www.cdc.gov/nhsn/pdfs/covid19/COVID19-hospital-data-submission-API-instructions-508.pdf
  - The individual responsible for the API submission will need a SAMS account – please reach out via the contact options at the end of the presentation to request an invitation.

Import File Specifications and "Front End" Requirements for Successful Submission

New and Forthcoming Resources for HRD Reporting

- **Posted 9/17/2024:**
  - NHSN Hospital Respiratory Data Protocol
- **Forthcoming:**
  - File Import and Data Upload Specifications (Daily and Weekly versions)
    - 'Front end' requirements for successful file submission and data upload; applicable to all reporting modalities (webform, CSV, API)
  - Data Quality Reference Guide
  - Guide for mapping columns between "old" COVID-19 templates and new HRD Daily and Weekly templates
  - NHSN Analysis Reports and Reference Guides
  - SAMS and API Reference Guide

File Import and Data Upload Specifications – Required Fields

- **Fields required for successful file import and data upload:**
  - **Always required:**
    - **NHSN OrgID**: Organization Identification Number
      - Note: will auto populate in the webform for submission, but needs to be included on the CSV and API uploads
    - **Context**: needed for 'facility-within-facility' or location-specific reporting, including that for CMS-certified inpatient psychiatric (IPUs) or rehabilitation units (IRUs).
      - Required to be included on CSV and API uploads, or, if using webform, selected on the webform.
      - See appendix A in Protocol for more details and guidance for IPU and IRU reporting requirements.

File Import and Data Upload Specifications – Required Fields

- **Fields required for successful file import and data upload:**
  - **Always required:**
    - **Reporting for date (daily) or weekending date (weekly):** date for which the counts and/or responses in the selected pathway apply.
      - **Daily**: reporting the number of new hospital admissions of patients with laboratory-confirmed COVID-19 age 0-4 years for Monday 10/7/2024 of the reporting week. Monday 10/7/2024 should be entered as the reportingDate, or selected on the calendar view as the day for which counts are being reported in the HRD Daily Pathway.
      - **Weekly**: reporting the number of new hospital admissions of patients with laboratory-confirmed COVID-19 age 0-4 years for weekending Saturday, 10/12/2024, which should be entered as the weekending date or selected on the calendar view as the week for which counts are reported in the HRD weekly pathway.
        - » **IMPORTANT**: if using HRD Weekly pathway, data for the reporting week Sun-Sat CANNOT be entered until reporting week has ended.

File Import and Data Upload Specifications – Required Fields

- **Fields required for successful file import and data upload:**
  - **Always required:**
    - **New hospital admissions:**
      - **Daily**: report admissions counts for each day <u>separately</u> in reporting week
      - **Weekly**: report total admission counts for the <u>entire</u> reporting week

COVID-19 (7 total)
New hospital admissions, 0-4 years of age
New hospital admissions, 5-17 years of age
New hospital admissions, 18-49 years of age
New hospital admissions, 50-64 years of age
New hospital admissions, 65-74 years of age
New hospital admissions, 75+ years of age
New hospital admissions, unknown age

Influenza (7 total)
New hospital admissions, 0-4 years of age
New hospital admissions, 5-17 years of age
New hospital admissions, 18-49 years of age
New hospital admissions, 50-64 years of age
New hospital admissions, 65-74 years of age
New hospital admissions, 75+ years of age
New hospital admissions, unknown age

RSV (7 total)
New hospital admissions, 0-4 years of age
New hospital admissions, 5-17 years of age
New hospital admissions, 18-49 years of age
New hospital admissions, 50-64 years of age
New hospital admissions, 65-74 years of age
New hospital admissions, 75+ years of age
New hospital admissions, unknown age

File Import and Data Upload Specifications – Required Fields

- **Fields required for successful file import and data upload:**
  - **Conditionally required: required only for <u>Wednesday</u> of the reporting week**
    - **Hospitalizations:**
      - **Daily**: report hospitalization counts for report date = Wednesday in reporting week
      - **Weekly**: report hospitalization counts for the Wednesday of the reporting week

Prevalent hospitalizations	6 elements total
COVID-19	All hospitalized adult patients with laboratory-confirmed COVID-19
	All hospitalized pediatric patients with laboratory-confirmed COVID-19
Flu	All hospitalized adult patients with laboratory-confirmed influenza
	All hospitalized pediatric patients with laboratory-confirmed influenza
RSV	All hospitalized adult patients with laboratory-confirmed RSV
	All hospitalized pediatric patients with laboratory-confirmed RSV

ICU hospitalizations	6 elements total
COVID-19	Adult ICU patients with laboratory-confirmed COVID-19
	Pediatric ICU patients with laboratory-confirmed COVID-19
Flu	Adult ICU patients with laboratory-confirmed influenza
	Pediatric ICU patients with laboratory-confirmed influenza
RSV	Adult ICU patients with laboratory-confirmed RSV
	Pediatric ICU patients with laboratory-confirmed RSV

File Import and Data Upload Specifications – Required Fields

- **Fields required for successful file import and data upload:**
  - **Conditionally required: required only for Wednesday of the reporting week, and if not actively participating in the NHSN Connectivity Initiative: Hospital Bed Capacity collection***
    - **Bed capacity and occupancy:**
      - **Daily**: report hospitalization counts for report date = Wednesday in reporting week
      - **Weekly**: report hospitalization counts for the Wednesday of the reporting week

Bed capacity and occupancy	12 elements total
Inpatient beds	All hospital inpatient beds
	All adult inpatient beds
	All pediatric inpatient beds
Inpatient bed occupancy	All hospital inpatient occupancy
	All adult inpatient occupancy
	All pediatric inpatient occupancy
ICU beds	All ICU beds
	Adult ICU beds
	Pediatric ICU beds
ICU bed occupancy	All ICU bed occupancy
	Adult ICU occupancy
	Pediatric ICU occupancy

*Information on the NHSN Connectivity Initiative: Hospital Bed Capacity Project can be found online: https://www.cdc.gov/nhsn/bed-capacity/index.html.

File Import and Data Upload Specifications – Additional Guidance for Identifiers and Facility Information

- **No longer on NHSN import template, but still very important:**
  - CMS certification number (CCN)
  - Hospital name
  - Hospital location information (street address, county, zip code, etc.)
  - **Note**: these additional columns CAN be added to your template and part of your submission, but not required.

File Import and Data Upload Specifications – Column Formats and Valid Values

- **Column formats**
  - Counts (admissions, hospitalizations, bed capacity/occupancy): whole numbers
  - Categorical (supplies): Y, N, N/A
  - Date time fields (reporting date, weekending date): MMDDYYYY
- **Valid values**

Template Data Element Column Name	ID	Column Name	Status	Format	Valid Values	Business Rules
numConfC19NewAdmPed0to4	12a	Number of new admissions of patients with laboratory-confirmed COVID-19, 0-4 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmPed5to17	12b	Number of new admissions of patients with laboratory-confirmed COVID-19, 5-17 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult18to49	12c	Number of new admissions of patients with laboratory-confirmed COVID-19, 18-49 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult50to64	12d	Number of new admissions of patients with laboratory-confirmed COVID-19, 50-64 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult65to74	12e	Number of new admissions of patients with laboratory-confirmed COVID-19, 65-74 years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates
numConfC19NewAdmAdult75plus	12f	Number of new admissions of patients with laboratory-confirmed COVID-19, 75+ years of age	Required	Integer (whole number)	0 to 100	Required for all reporting dates

File Import and Data Upload Specifications – Logical Relationships

- **Comparing values across 2 or more columns to ensure logical consistency and validity of reported data**

Template Data Element Column Name	ID	Column Name	Status	Format	Valid Values	Business Rules
numInPtBeds	2a	All hospital inpatient beds	Conditional*	Integer (whole number)	0 to 1500	
numInPtBedsAdult	2b	All adult inpatient beds	Conditional*	Integer (whole number)	0 to 1500	Must be <= 2a. numInPtBeds
numInPtBedsPed	2c	All pediatric inpatient beds	Conditional*	Integer (whole number)	0 to 1500	Must be <= 2a. numInPtBeds
numInPtBedsOcc	3a	All hospital inpatient occupancy	Conditional*	Integer (whole number)	0 to 1500	Must be >= 5a. numICUBedsOcc (where 5a. numICUBedsOcc does not equal 9999) AND Must be >= (3b. numInPtBedsOccAdult + 3c. numInPtBedsOccPed)

Rationale for 3a. numInPtBedsOcc business rules:
- Field 5a (numICUBedsOcc) is a subset of 3a (numInPtBedsOcc)
- Field 3a represents at least the sum for 3b (numInPtBedsOccAdult) and 3c (numInPtBedsOccPed)

File Import and Data Upload Specifications – Differentiating zero bed counts from not applicable

- **The value of 9999 should be reported in ICU fields to represent "not applicable."**

Template Data Element Column Name	Data Field ID	Data Field Name
numICUBeds	4a	All ICU beds
numICUBedsAdult	4b	Adult ICU beds
numICUBedsPed	4c	Pediatric ICU beds
numICUBedsOcc	5a	All ICU bed occupancy
numICUBedsOccAdult	5b	Adult ICU bed occupancy
numICUBedsOccPed	5c	Pediatric ICU bed occupancy

- **Hierarchy:**
  - If 4a. numICUBeds = 9999, then values for all ICU fields listed = 9999
  - If 4b. numICUBedsAdult = 9999, then value for 5b. numICUBedsOccAdult = 9999
  - If 4c. numICUBedsPed = 9999, then value for 5c. numICUBedsOccPed = 9999
- **If the ICU bed type is available but no ICU beds occupied or (zero really means zero) – report a zero.**
- **Null values will lead to file/record rejection – all fields should either have a zero, nonzero, or 9999 value captured**

File Import and Data Upload Specifications – Differentiating zero bed counts from not applicable

- **Scenario 1: Hospital A does not have an ICU, or any beds that can be designated as ICU beds for adult or pediatric patients.**

Template Data Element Column Name	Data Field ID	Data Field Name	Value Reported to NHSN
numICUBeds	4a	All ICU beds	9999
numICUBedsAdult	4b	Adult ICU beds	9999
numICUBedsPed	4c	Pediatric ICU beds	9999
numICUBedsOcc	5a	All ICU bed occupancy	9999
numICUBedsOccAdult	5b	Adult ICU bed occupancy	9999
numICUBedsOccPed	5c	Pediatric ICU bed occupancy	9999

File Import and Data Upload Specifications – Differentiating zero bed counts from not applicable

- **Scenario 2: Hospital B does have an ICU with 10 beds (2 of which are occupied), but only designates ICU beds as adult ICU beds, and does not have any pediatric-designated ICU beds.**

Template Data Element Column Name	Data Field ID	Data Field Name	Value reported to NHSN
numICUBeds	4a	All ICU beds	10
numICUBedsAdult	4b	Adult ICU beds	10
numICUBedsPed	4c	Pediatric ICU beds	9999
numICUBedsOcc	5a	All ICU bed occupancy	2
numICUBedsOccAdult	5b	Adult ICU bed occupancy	2
numICUBedsOccPed	5c	Pediatric ICU bed occupancy	9999

File Import and Data Upload Specifications – Differentiating zero bed counts from not applicable

- **Scenario 3: Hospital C does have an ICU with 12 beds, of which 10 are designed for adult patients (5 of which are occupied), and 2 are designated for pediatric patients (1 of which is occupied).**

Template Data Element Column Name	Data Field ID	Data Field Name	Value reported to NHSN
numICUBeds	4a	All ICU beds	12
numICUBedsAdult	4b	Adult ICU beds	10
numICUBedsPed	4c	Pediatric ICU beds	2
numICUBedsOcc	5a	All ICU bed occupancy	6
numICUBedsOccAdult	5b	Adult ICU bed occupancy	5
numICUBedsOccPed	5c	Pediatric ICU bed occupancy	1

Additional Specifications for CSV and API Uploads

- **File naming convention**
  - No required naming convention in place
- **Column headers**
  - Columns can be included in any order, only requirement is to make sure they are spelled correctly (including upper/lowercase) and values formatted correctly
  - Be wary of additional characters (like an extra space) in your column header names!

File Import and Data Upload Specifications – Error Messages via CSV / API

Errors, no warnings, required fields missing

NHSN (CDC)
To ████████████████████

8:11 AM

failed-records.csv
2 KB

CDC National Healthcare Safety Network (NHSN)

Dear ████████

Thank you for submitting data to the CDC National Healthcare Safety Network (NHSN) HRD Daily Portal.

The file (IPF-hrd-daily-Fully populated_.csv) was received and partially processed with errors on 09/19/2024 12:10:48. Not All records were submitted. Please review the attached document (failed-records.csv). Then, please resolve the error(s) and upload the corrected data. All records without errors were successfully saved.
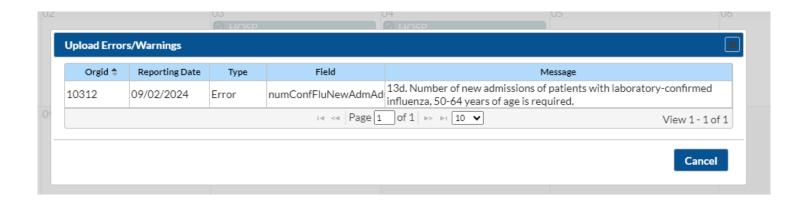
Warning - A possible data quality issue has been detected for the specified data field and collection date, but the record was saved and submitted successfully. Please review and update or correct the reported values if indicated.

Error - A confirmed data quality issue has been detected for the specified data field and collection date and must be resolved before the record can be saved and acceptable for submission. Please review and update the reported values where indicated.

Please note your data is incomplete. The file (IPF-hrd-daily-Fully populated_.csv) was received and processed with required fields missing on 09/19/2024 12:10:48.

Please review the attached document (failed-records.csv) for specific missing daily and weekly required fields.

File Import and Data Upload Specifications – Error Messages in UI

File Import and Data Upload Specifications – Reference Guides are on the Way!

NHSN
NATIONAL HEALTHCARE
SAFETY NETWORK

Hospital Respiratory Data – Daily Import File Specifications

Updated: 9/19/2024
Implementation date: TBD

Template Data Element Column Name	ID	Column Name	Status	Format	Valid Values	Business Rules
orgID	1a	NHSN Org ID	Required	integer	i.e., 12345	Facility identifier – required for all imports, including groups
context	1b	Reporting Context	Required	character	HOSP IPF IRF CH OTH	Unit- or location-level reporting indicator – required for all imports, including groups. Only allow IRF if the facility has an active IRF location enrolled in NHSN. Only allow IPF if the facility has an active IPF location enrolled in NHSN. CH and OTH contexts available for separate reporting of pediatric or other unit-specific data if desired, but not required.
reportingDate	1c	Reporting for Date	Required	Datetime MM/DD/YYYY	i.e., 10/02/2024	Enter or select date for which the counts and/or responses in the pathway apply. For example, if reporting the number of new hospital admissions of patients with laboratory-confirmed COVID-19 age 0-4 years for Monday of the reporting week, Wednesday should be Monday as the reportingDate, or selected on the calendar view as the day for which counts are being reported in the HRD Daily Pathway.
numInPtBeds	2a	All hospital inpatient beds	Conditional*	Integer (whole number)	0 to 1500	
numInPtBedsAdult	2b	All adult inpatient beds	Conditional*	Integer (whole number)	0 to 1500	Must be <= 2a. numInPtBeds
numInPtBedsPed	2c	All pediatric inpatient beds	Conditional*	Integer (whole number)	0 to 1500	Must be <= 2a. numInPtBeds

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Data Element Definitions and Additional Reporting Scenarios

Data Elements - Clarifications on new hospital admissions vs hospitalizations for COVID-19, influenza, and RSV

- Patients should be counted in fields **12a through 14g (new hospital admissions of COVID-19, influenza, RSV) only once**, for the date that corresponds to their hospital admission if a positive laboratory confirmation is also present <u>on the day</u> of admission.

- Patients should be counted in fields **6a through 11b (prevalent COVID-19, influenza, RSV hospitalizations) for the entirety of their hospitalization**, even if they are still hospitalized following negative laboratory testing.

- These counts also include patients with a re-infection or co-infection.

Data Elements - Clarifications on new hospital admissions vs prevalent hospitalizations for COVID-19, influenza, and RSV

- **The number of new hospital admissions and the total patients hospitalized should *generally* not be the same value.**
  - **Laboratory-confirmed new hospitals admissions** are the number of new patients who were admitted to an inpatient bed with lab-confirmed COVID-19, influenza, or RSV.
    - This is a measure of <u>incidence</u>, or new patients coming into the hospital.
  - **Total patients hospitalized** with laboratory-confirmed COVID-19, influenza, or RSV are the current number of patients with lab-confirmed COVID-19, influenza, or RSV occupying an inpatient bed.
    - This is a measure of <u>prevalence</u>, or current patients occupying a hospital bed.

Scenario 1: Patient aged 65 is admitted to hospital on Sunday of reporting week, with laboratory-confirmed COVID-19. Patient does NOT require ICU hospitalization during course of illness. Patient is discharged on Wednesday of the reporting week.

- **Using HRD Daily pathway:**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Patient is admitted with laboratory-confirmed COVID-19.	Patient is hospitalized, repeat test positive.	Patient is hospitalized, repeat test negative.	Patient is discharged.			
Action for reporting date of Sunday: Patient is included in: REQUIRED 12e: Number of new admissions of patients with laboratory-confirmed COVID-19, 65-74 years of age. OPTIONAL 6a: All hospitalized adult patients with laboratory-confirmed COVID-19.	Action for reporting date of Monday: Patient is included in: OPTIONAL 6a: All hospitalized adult patients with laboratory-confirmed COVID-19.	Action for reporting date of Tuesday: Patient is included in: OPTIONAL 6a: All hospitalized adult patients with laboratory-confirmed COVID-19.	Action for reporting date of Wednesday: Patient is included in: REQUIRED 6a: All hospitalized adult patients with laboratory-confirmed COVID-19 if the census is captured prior to discharge.	Action for reporting date of Thursday: NONE	Action for reporting date of Friday: NONE	Action for reporting date of Saturday: NONE

From Protocol:
Scenario 1: Patient aged 65 is admitted to hospital on Sunday of reporting week, with laboratory-confirmed COVID-19. Patient does NOT require ICU hospitalization during course of illness. Patient is discharged on Wednesday of the reporting week.

- **Using HRD Weekly pathway:**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Patient is admitted with laboratory-confirmed COVID-19.	Patient is hospitalized, repeat test positive.	Patient is hospitalized, repeat test negative.	Patient is discharged.			
Action for week ending Saturday: Patient is included in: REQUIRED 12e: Number of new admissions of patients with laboratory-confirmed COVID-19, 65-74 years of age (weekly total). REQUIRED 6a: All hospitalized adult patients with laboratory- confirmed COVID-19 (Wednesday snapshot) *if the census is captured prior to discharge.*						

From Protocol:
Scenario 3: Patient aged 4 years is admitted to hospital on Sunday of reporting week, with laboratory-confirmed RSV. Patient does require ICU hospitalization during course of illness and discharged on Saturday of the reporting week.

- **Using HRD Daily Pathway:**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Patient is newly admitted and requires ICU hospitalization, with laboratory-confirmed RSV.	Patient is hospitalized in ICU, repeat RSV test positive.	Patient is hospitalized in ICU, repeat RSV test positive.	Patient is hospitalized in ICU, no repeat test performed.	Patient is hospitalized in ICU, no repeat test performed.	Patient is hospitalized but no longer requires ICU, repeat RSV test negative.	Patient is discharged.
Action for reporting date of Sunday: Patient is included in: REQUIRED 14a: Number of new admissions of patients with laboratory-confirmed RSV, 0-4 years of age. OPTIONAL 8b: All hospitalized pediatric patients with laboratory-confirmed RSV OPTIONAL 11b. Pediatric ICU patients with laboratory-confirmed RSV	Action for reporting date of Monday: Patient is included in: OPTIONAL 8b: All hospitalized pediatric patients with laboratory-confirmed RSV OPTIONAL 11b. Pediatric ICU patients with laboratory-confirmed RSV	Action for reporting date of Tuesday: Patient is included in: OPTIONAL 8b: All hospitalized pediatric patients with laboratory-confirmed RSV OPTIONAL 11b. Pediatric ICU patients with laboratory-confirmed RSV	Action for reporting date of Wednesday: Patient is included in: REQUIRED 8b: All hospitalized pediatric patients with laboratory-confirmed RSV REQUIRED 11b. Pediatric ICU patients with laboratory-confirmed RSV	Action for reporting date of Thursday: Patient is included in: OPTIONAL 8b: All hospitalized pediatric patients with laboratory-confirmed RSV OPTIONAL 11b. Pediatric ICU patients with laboratory-confirmed RSV	Action for reporting date of Friday: Patient is included in: OPTIONAL 8b: All hospitalized pediatric patients with laboratory-confirmed RSV	Action for reporting date of Saturday: Patient is included in: OPTIONAL 8b: All hospitalized pediatric patients with laboratory-confirmed RSV *if the census is captured prior to discharge*.

From Protocol:

Scenario 3: Patient aged 4 years is admitted to hospital on Sunday of reporting week, with laboratory-confirmed RSV. Patient does require ICU hospitalization during course of illness and discharged on Saturday of the reporting week.

- **Using HRD Weekly Pathway:**

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Patient is newly admitted and requires ICU hospitalization, with laboratory-confirmed RSV.	Patient is hospitalized in ICU, repeat RSV test positive.	Patient is hospitalized in ICU, repeat RSV test positive.	Patient is hospitalized in ICU, no repeat test performed.	Patient is hospitalized in ICU, no repeat test performed.	Patient is hospitalized but no longer requires ICU, repeat RSV test negative.	Patient is discharged.

Action for week ending Saturday:

REQUIRED 14a: Number of new admissions of patients with laboratory-confirmed RSV, 0-4 years of age.

REQUIRED 8b: All hospitalized pediatric patients with laboratory-confirmed RSV.

REQUIRED 11b. Pediatric ICU patients with laboratory-confirmed RSV.

Contact the NHSN Helpdesk

- **NHSN-ServiceNow** to submit questions to the NHSN Help Desk.
- Access the portal at **https://ServiceDesk.cdc.gov/NHSNcsp**.
- If you do not have a SAMS login, or are unable to access ServiceNow, you can still email the NHSN Help Desk at NHSN@cdc.gov.